# IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

## **Declaration for Patent Application**

AUG 1 0 2000 a named inventor, I hereby declare that:

y residence, post office address and citizenship are as stated next to my name;



I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

	4-Aminopyrrolog	oyrimidines as Kina	se Inhibitors						
the spe	cification of which	(check one)				-		·	<del>,</del>
[]	is attached hereto	<b>).</b>							
[x]	was filed on Sep	tember 17, 1999 as	United States Application						
	Number or PCT ]	International Applic	ation No. 09/399,083						
		l on							
includi	I hereby state thange the claims, as an	t I have reviewed an nended by any amer	nd understand the contents of the ab	ove-id	entified	l spe	cifica	ition,	
defined	I acknowledge the in 37 C.F.R. §1.56	e duty to disclose in	formation which is known by me to	be ma	iterial i	o pa	tenta	bility	as
any for	other than the Unicign application for	tificate or 365(a) of	ts under 35 U.S.C. 119(a)-(d) or 36 any PCT international application va, listed below and have also identic certificate, or of any PCT internationity is claimed:	vhich ( fied be	designa	ited a	at lea	st on	e how
		<u>Pr</u>	ior Foreign Application(s)	N	ority lot imed		Cert Copy ES		
(Numbe	er)	(Country)	(Day/Month/Year filed)	_ [	]	[	]		]
(Numbe	er)	(Country)	(Day/Month/Year filed)	_ [	]	[	]	]	]
(Numbe	er)	(Country)	(Day/Month/Year filed)	_ [	]	[	]	[	]
I hereby	claim the benefit u	ander 35 U.S.C. §11	9(e) of any United States provisions	al appl	ication	(s) li	sted l	belov	v.
(Applica	60/100,954 ation Number)		September 18, 1998 (Filing Date)	<u> </u>		<del></del>		·	
(Applica	60/100,834 ation Number)		September 18, 1998 (Filing Date)			<del>_</del>	<del></del>		

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

09/042,702		March 17, 1	998 pending
(Application Serial No	o.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No	o.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No	.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No	.)	(Filing date)	(Status: patented, pending, abandoned)
As a named in Hamilton, Brook, Sm Customer No. 210	ith & Reynold	by appoint the attorned is, P.C., Two Militia	ys and/or agents associated with Drive, Lexington, Massachusetts 02421-4799
and John	D. Conway	Registration N	Jumber: 39,105
to prosecute this applic	ation and to tre		the Patent and Trademark Office connected therewith.
riease send c	orrespondence	e to: [ ] Customer or	No. Noted Above
		[X] Address b	pelow:
HAM Two	ard W. Wagne IILTON, BRC Militia Drive 1gton, MA 02	OOK, ŜMITH & RE	YNOLDS, P.C.
Direct telephor	ne calls to: <u>Ri</u>	chard W. Wagner, Es	q. Telephone No.: 781-861-6240
Direct facsimil	les to: <u>Ri</u>	chard W. Wagner, Es	q. Facsimile No.: 781-861-9540
knowledge that willful i	false statements  of the United	s and the like so made States Code and that	my own knowledge are true and that all statements further that these statements were made with the are punishable by fine or imprisonment, or both, under such willful false statements may jeopardize the validity
Full name of sole			
or first inventor	David Cald	erwood	
Inventor's Signature			Date
Residence	4 McCarthy	Circle	
	Framinghan	n, Massachusetts 017	02
Citizenship	Great Britai		
Post Office Address	Same		

Full name of second j	ioint	
mine of second	omi	
Inventor's Signature	Lee Arnold	_
Residence	216 Ruggles Street	Date
	Westboro, Massachusetts 01581	
Citizenship	Canada	
Post Office Address _	Same	
Full name of third join	nt	
•	Hormoz Mazdiyasni	
Inventor's Signature		D-4
Residence	19 Old Farm Road	Date
	Douglas, Massachusetts 01516	
Citizenship	United States	
Post Office Address	Same	
Full name of fourth joi	nt	
inventor, if any	Gavin C. Hirst	
Inventor's Signature		Data
Residence	112 Robert Road	Date
	Marlboro, Massachusetts 01752	
Citizenship	Great Britain	
Post Office Address	Same	
Full name of fifth joint		
inventor, if any		
nventor's Signature		Data
Residence	80 Stoney Hill Road	Date
	Shrewsbury, MA 01545	
Citizenship	Peoples Republic of China	
ost Office Address		

Full name of sixth jo	oint	
inventor, if any	David N. Johnston	
Inventor's Signature		Date 15.12.99
Residence	Pennyfoot Street	Date (3 (2))
	Nottingham NG1 1GF, England	
Citizenship		
Post Office Address	Same	
Full name of seventh		
	Paul Destant	
Inventor's Signature		(/_ 12 . 69/
Residence	Pennyfoot Street	Date (6.12.99
	Nottingham NG1 1GF, England	
Citizenship	Great Britain	
Post Office Address _	Same	
Full name of eighth jo	nint	
	Gerald B. Tometski	957 IS 12
Inventor's Signature_		
	Pennyfoot Street	Date 18.12.99
	Nottingham NG1 1GF, England	
Post Office Address	Great Britain	<del></del>
Full name of eighth jo	Same	
	ınt	
nventor's Signature	Helen L. Twigger	
Residence	Pennyfoot Short	Date <u>OS Jan 2000</u>
	Nottingham NG1 1GF, England	
Citizenship		
ost Office Address		
ull name of eighth join		
	Daiman M 1	
esidence	Zepplinstr. 5	
tizenship	67435 Neustadt, Germany Germany	
ost Office Address	Carro	
	Same	

#### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

#### Declaration for Patent Application

As a named inventor, I hereby declare that:



My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

	4-Aminopyrrolopy	vrimidines as Kinas	se Inhibitors						
the spe	cification of which (	check one)							
[]	is attached hereto.								
[x]	was filed on September 17, 1999 as United States Application								
•	Number or PCT Ir	nternational Applic	ation No. 09/399,083						
	and was amended	on	(if applicable).						
includi	I hereby state that ng the claims, as am	I have reviewed an ended by any amer	nd understand the contents of the aboundment referred to above.	ve-ide	entified	l spe	cifica	tion,	
defined	I acknowledge the in 37 C.F.R. §1.56.	duty to disclose in	formation which is known by me to	be ma	iterial t	o pat	tental	oility	as
country any for	ent or inventor's cert other than the Unit	ificate or 365(a) of ed States of Americ patent or inventor's	ts under 35 U.S.C. 119(a)-(d) or 365 any PCT international application was, listed below and have also identificate, or of any PCT international internation	hich of the	designa dow, b	ited a	it leas eckin	st one g the	box,
		<u>Pr</u>	ior Foreign Application(s)	N	ority Vot iimed		Cert Copy ES		l? !O
(Numb	er)	(Country)	(Day/Month/Year filed)	_ [	]	[	]	[	]
(Numb	er)	(Country)	(Day/Month/Year filed)	_ [	]	[	]	[	]
(Numbe	er)	(Country)	(Day/Month/Year filed)	- [	]	[	]	[	]
I hereb	y claim the benefit u	nder 35 U.S.C. §11	9(e) of any United States provision:	al appl	lication	ı(s) li	isted	belov	v.
<u></u>	60/100,954	***************************************	September 18, 1998	3					
(Applic	cation Number)		(Filing Date)						
<del>21 - 11 -</del>	60/100,834		September 18, 1998	3					
(Applic	ation Number)		(Filing Date)						

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

09/042,702		March 17, 19	98pending
(Application Serial No	.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)		(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No	.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No	.)	(Filing date)	(Status: patented, pending, abandoned)
As a named ir Hamilton, Brook, Sm Customer No. 210	ith & Reynole	by appoint the attorney is, P.C., Two Militia	ys and/or agents associated with Drive, Lexington, Massachusetts 02421-4799
and John	D. Conway	Registration N	(umber: 39,105 ,
to prosecute this applic	ation and to tr	ansact all husiness in t	the Patent and Trademark Office connected therewith.
HAM	ard W. Wagn IILTON, BR	or [X] Address b	
Lexin	Militia Drive		
Direct telepho	ne calls to: <u>R</u>	ichard W. Wagner, Es	q. Telephone No.: 781-861-6240
Direct facsimi	les to:R	ichard W. Wagner, Es	q. Facsimile No.: 781-861-9540
made on information at knowledge that willful	nd belief are b false statemen 8 of the United	elieved to be true; and ts and the like so made I States Code and that	my own knowledge are true and that all statements further that these statements were made with the e are punishable by fine or imprisonment, or both, under such willful false statements may jeopardize the validity
Full name of sole			·
or first inventor	David Cal	derwood	
Inventor's Signature	David	Caldenvood	Date 12/15/99
Residence	4 McCarth	y Circle	<u> </u>
	Framingha	m, Massachusetts 017	102
Citizenship	Great Britz	in	
Post Office Address	Same		

Full name of second joi	int ·	
inventor, if any	Lee Arnold 🔿 🕜	
Inventor's Signature		Date <u>12/16/99</u>
Residence	216 Ruggles Street	
	Westboro, Massachusetts 01581	
Citizenship	Canada	
Post Office Address	Same	
Full name of third joint	;	
inventor, if any	Hormoz Mazdiyasni	
		Date 12/16/99
	19 Old Fahm Road	
	Douglas, Massachusetts 01516	
Citizenship	United States	
Post Office Address	Same	
Full name of fourth join	nt	
inventor, if any	Gawin C. Hirst,	
Inventor's Signature	Is Church	Date <u>12/16/99</u>
Residence		
	Marlboro, Massachusetts 01752	
Citizenship	Great Britain	
Post Office Address	Same	
Full name of fifth joint		
inventor, if any	Bojuan B. Deng	
Inventor's Signature	( Green to	Date/2//7/99
Residence	80 Stoney Hill Road	
	Shrewsbury, MA 01545	
Citizenship	Peoples Republic of China	
Post Office Address	Same	

Evil name of sixth isin	<del>-</del>	
Full name of sixth join		
	David N. Johnston	
_	Description Street	
	Pennyfoot Street	
·	Nottingham NG1 1GF, England  Great Britain	
•		
	Same	
Full name of seventh jo	oint	
inventor, if any	Paul Rafferty	
Inventor's Signature		
	Pennyfoot Street	
	Nottingham NG1 1GF, England	
	Great Britain	
Post Office Address	Same	
Full name of eighth joi	int	·
	Gerald B. Tometski	
	Geraid B. Tollietski	
	Pennyfoot Street	
<del>-</del> -	Nottingham NG1 1GF, England	
	Great Britain	
	Same	
Full name of eighth joi		
	Helen L. Twigger	
Residence		Date
Tobidono	Nottingham NG1 1GF, England	
Citizenship		
Post Office Address		
Full name of eighth joi	nt	
	Zepplinstr. 5	
	67435 Neustadt, Germany	
Citizenship		
_	Same	
	The state of the s	

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

### **Declaration for Patent Application**

As a named inventor, I hereby declare that:



My residence, post office address and citizenship are as stated next to my name;

I believe I am the original, first and sole inventor (if only one name is listed) or an original, first and joint Inventor (if plural names are listed in the signatory page(s) commencing at page 3 hereof) of the subject matter which is claimed and for which a patent is sought on the invention entitled

	4-Aminopyrrolopy	rimidines as Kin	ase Inhibi	ors							
	-										
the spec	cification of which (	check one)									
[]	is attached hereto.										
[x]	was filed on Septe	ember 17, 1999 a	s United	States Application							
	Number or PCT In	ternational Appli	ication No	. 09/399,083							
	and was amended on (if applicable).										
includii	I hereby state that a	I have reviewed a ended by any am	and unders endment r	stand the contents of the eferred to above.	he abov	e-ide	ntified	spec	ifica	tion,	
defined	I acknowledge the in 37 C.F.R. §1.56.	duty to disclose	informatio	n which is known by	me to b	e ma	terial to	o pat	entab	ility	as
country any for	ent or inventor's certi	ificate or 365(a) of ed States of Amer patent or inventor cation on which p	of any PC rica, listed r's certific priority is		ation wh identific	ich d ed be al ap	esigna low, b plicati	ted a y che on ha	t leas ecking aving	t one g the a fil	box,
		ļ	Prior Fore	ign Application(s)		N	ority ot imed	(	Certi Copy ES	Filed	? O
(Numbe	er)	(Country)		Day/Month/Year filed	)	[	]	[	]	[	]
(Numbe	er)	(Country)	(I	Day/Month/Year filed	.)	[	]	[	]	[	]
(Numb	er)	(Country)		Day/Month/Year filed	.)	[	]	[	]	[	]
I hereb	y claim the benefit u	nder 35 U.S.C. §	119(e) of	any United States pro	visional	appl	ication	(s) li	sted l	belov	v.
(Applic	60/100,954 cation Number)		- (	September 1: Filing Date)	8, 1998						
(Applic	60/100,834 cation Number)		- - (	September 1: Filing Date)	8, 1998				•		

I hereby claim the benefit under 35 U.S.C. 120 of any United States application(s), or 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose information known by me to be material to patentability as defined in 37 C.F.R. 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

09/042,702		March 17, 199	98 pending
(Application Serial No	.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No	.)	(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No.)		(Filing date)	(Status: patented, pending, abandoned)
(Application Serial No	5.)	(Filing date)	(Status: patented, pending, abandoned)
As a named in Hamilton, Brook, Sm Customer No. 210	ith & Reynole	by appoint the attorney ds, P.C., Two Militia L	s and/or agents associated with Drive, Lexington, Massachusetts 02421-4799
and John	D. Conway	Registration Nu	umber: 39,105,
to prosecute this applic	cation and to t	ansact all business in th	ne Patent and Trademark Office connected therewith.
HAI Two Lexi Direct telepho	Militia Drive ington, MA 0 one calls to: <u>I</u>	OOK, SMITH & REY 2421-4799 Richard W. Wagner, Esc	q. Telephone No.: 781-861-6240
Direct facsim	iles to:I	Richard W. Wagner, Eso	q. Facsimile No.: 781-861-9540
made on information a	and belief are b false statemer 8 of the Unite	believed to be true; and ats and the like so made and States Code and that	my own knowledge are true and that all statements further that these statements were made with the are punishable by fine or imprisonment, or both, under such willful false statements may jeopardize the validity
Full name of sole			
or first inventor	David Ca	lderwood	
Inventor's Signature			Date
Residence	4 McCart	hy Circle	
	Framingh	am, Massachusetts 017	702
Citizenship	Great Brit	ain	
Post Office Address _	Same		
	· · · · · · · · · · · · · · · · · · ·		

Full name of second joi	nt .	
inventor, if any	Lee Arnold	
Inventor's Signature		Date
Residence	216 Ruggles Street	
	Westboro, Massachusetts 01581	
Citizenship	Canada	
	Same	•
Full name of third joint		
inventor, if any	Hormoz Mazdiyasni	
Inventor's Signature		Date
Residence	19 Old Farm Road	
<u> </u>	Douglas, Massachusetts 01516	
	United States	
	Same	
Full name of fourth joi	nt	
inventor, if any	Gavin C. Hirst	
Inventor's Signature		Date
Residence	112 Robert Road	
	Marlboro, Massachusetts 01752	
	Great Britain	
Post Office Address		
Full name of fifth joint	t	
inventor, if any	Bojuan B. Deng	
Inventor's Signature		Date
Residence	80 Stoney Hill Road	
		•
	Develor Depublic of China	
Citizenship	Peoples Republic of China	

Full name of sixth joint		
inventor, if any	David N. Johnston	
Inventor's Signature		Date
Residence	Pennyfoot Street	
	Nottingham NG1 1GF, England	
Citizenship	Great Britain	
•	Same	
Full name of seventh join	·	
-	Paul Rafferty	
• • • •	T WIT TUTTOTTY	
·	Pennyfoot Street	
Residence	Nottingham NG1 1GF, England	
Citizenshin	Great Britain	
·	Same	
Full name of eighth joint		
	Gerald B. Tometski	
=		
Residence	Pennyfoot Street	
Ciri. 11		
<del>-</del>	Great Britain	
Post Office Address	Same	
Full name of eighth joint		
inventor, if any	Helen L. Twigger	
<del>-</del>		Date
Residence		
	Nottingham NG1 1GF, England	
Citizenship		·
Post Office Address		
Full name of eighth joint		
inventor, if any		-1-1-0
Inventor's Signature	Lower Douback	Date /2/15/99
Residence	Zepplinstr. 5	
	67435 Neustadt, Germany	
Citizenship	Germany	
Post Office Address	Same	
87254		